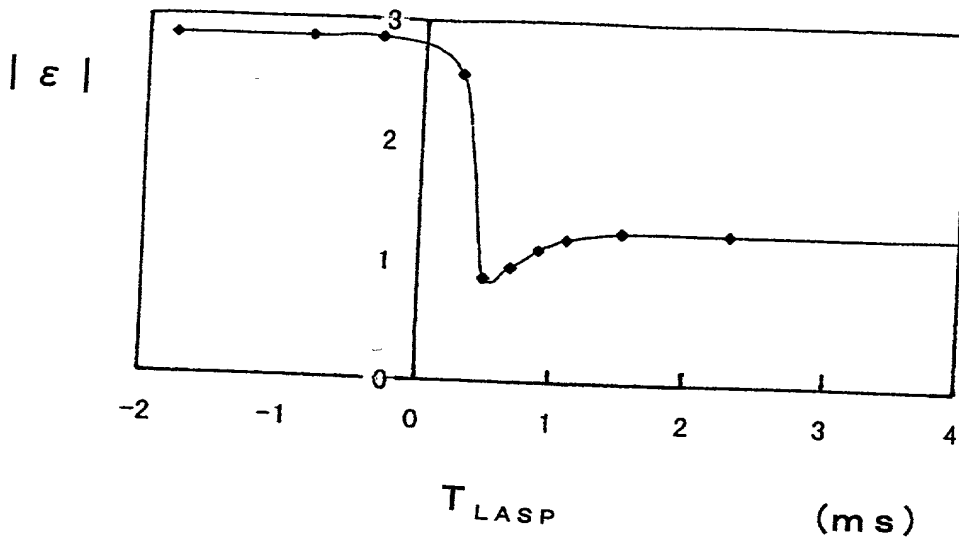


Fig. 1



* "0 ms" : At Power Off State

Figure 1 is a line graph showing the reflectance (%) of a GaAs surface as a function of wavelength (nm) for various time delays (0.4ms, 1ms, 2ms, 8ms, 40ms, 100ms) after a laser pulse. The graph is divided into two regions: PL (Photoluminescence) and HO (Hot Electron). The reflectance generally decreases with increasing time delay, especially in the 400-550 nm range.

Wavelength (nm)	0.4ms	1ms	2ms	8ms	40ms	100ms
400	10	10	10	10	10	10
450	10	10	10	10	10	10
500	10	10	10	10	10	10
550	10	10	10	10	10	10
600	10	10	10	10	10	10
650	10	10	10	10	10	10
700	10	10	10	10	10	10

Fig. 3

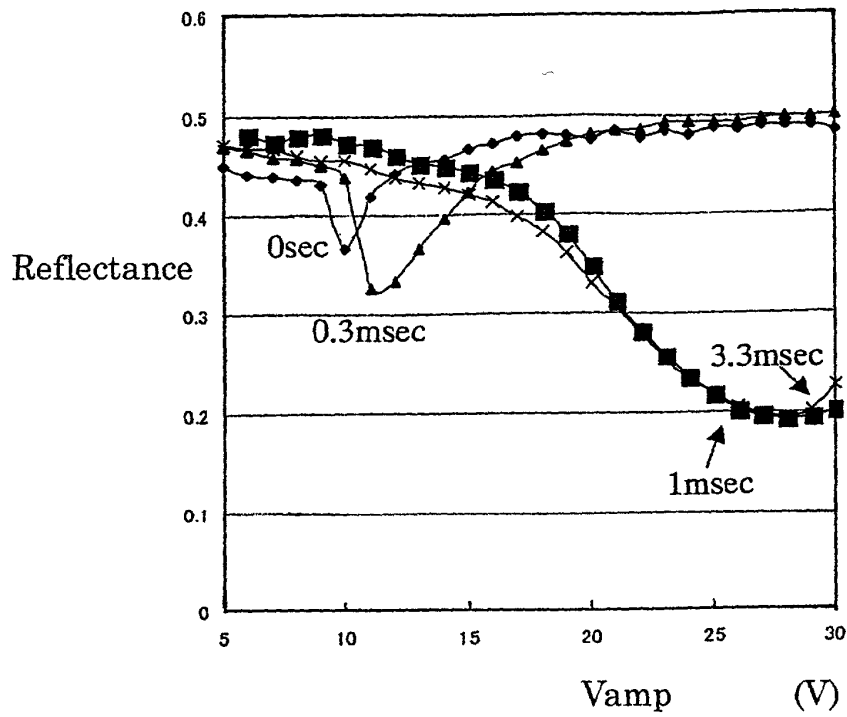


Fig. 4

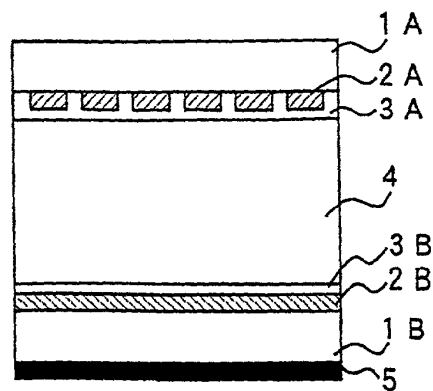


Fig. 5

T-pulse=13.2 ms

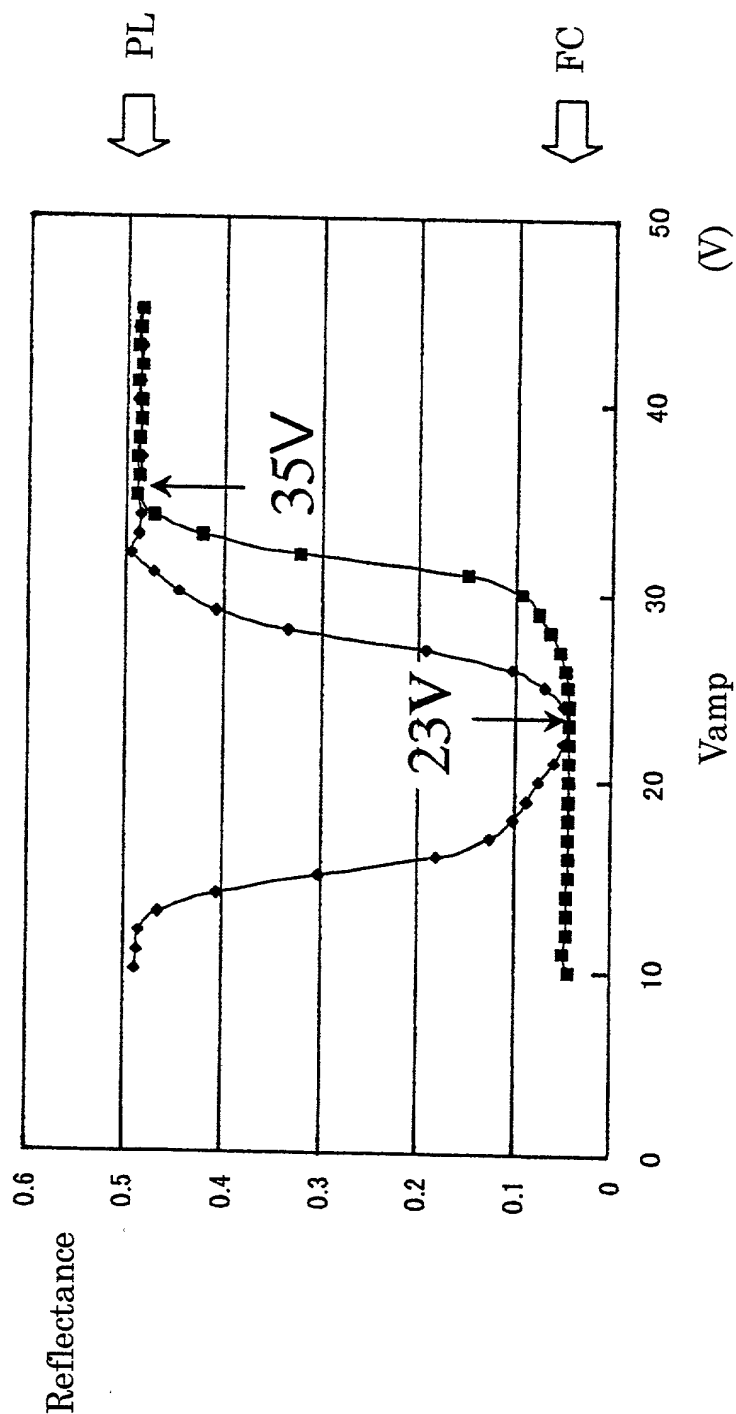


Fig. 6

T-pulse=6.6ms

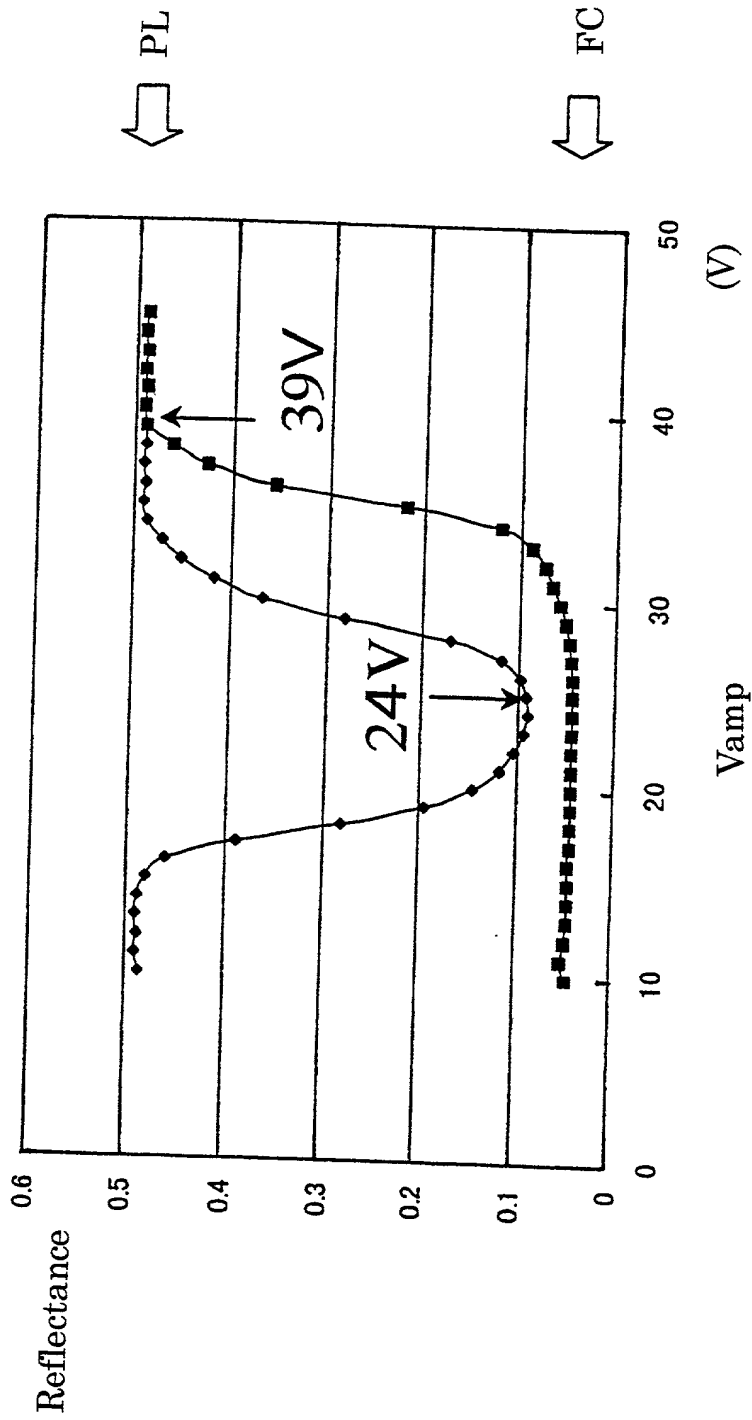


Fig. 7

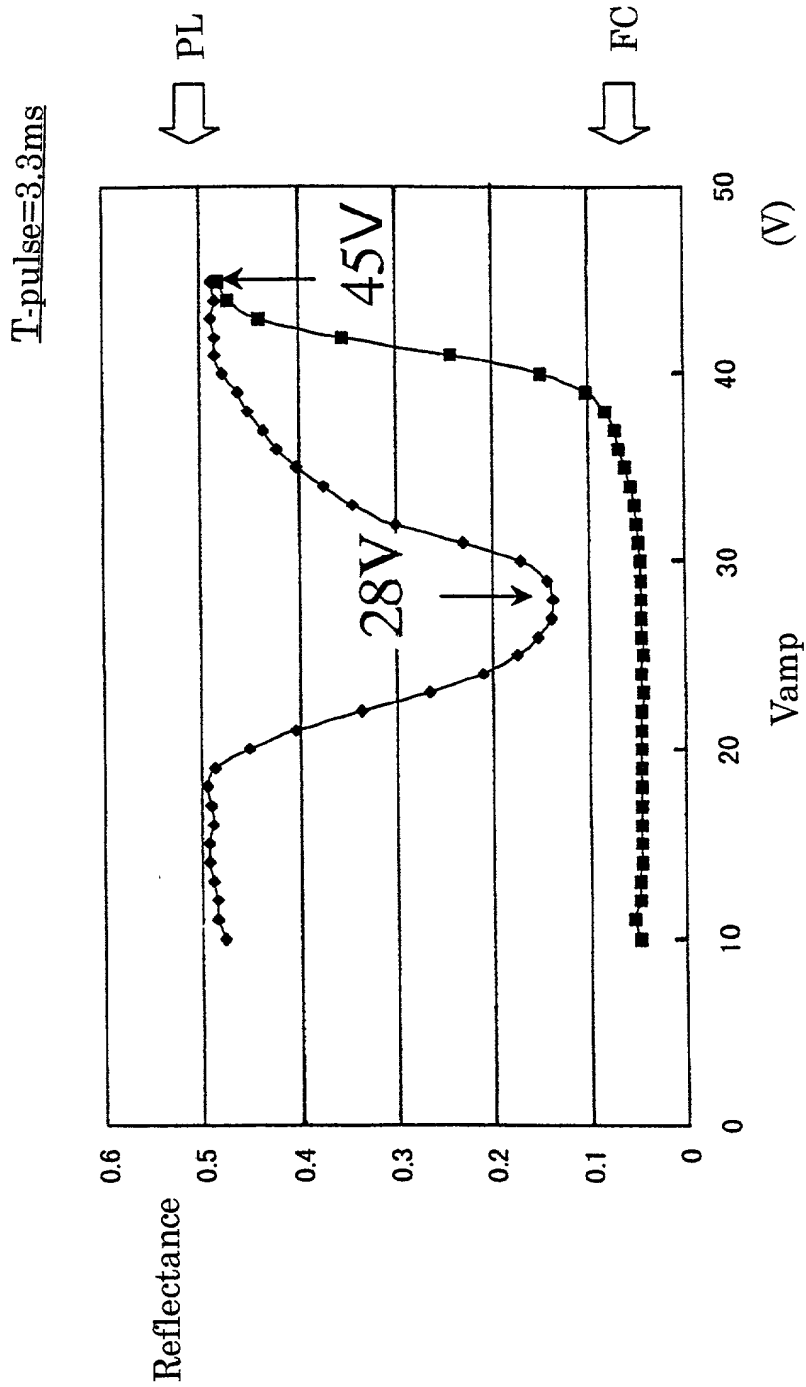


Fig. 8

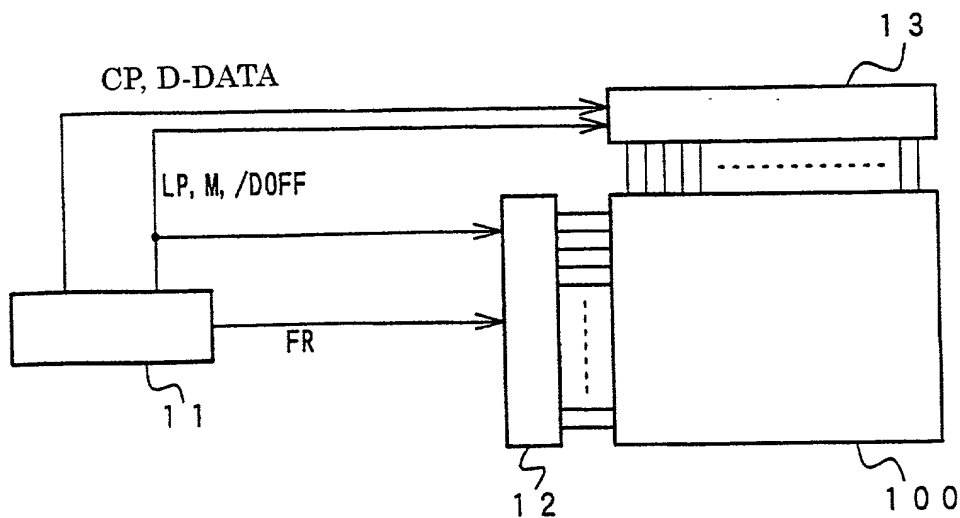


Fig. 9

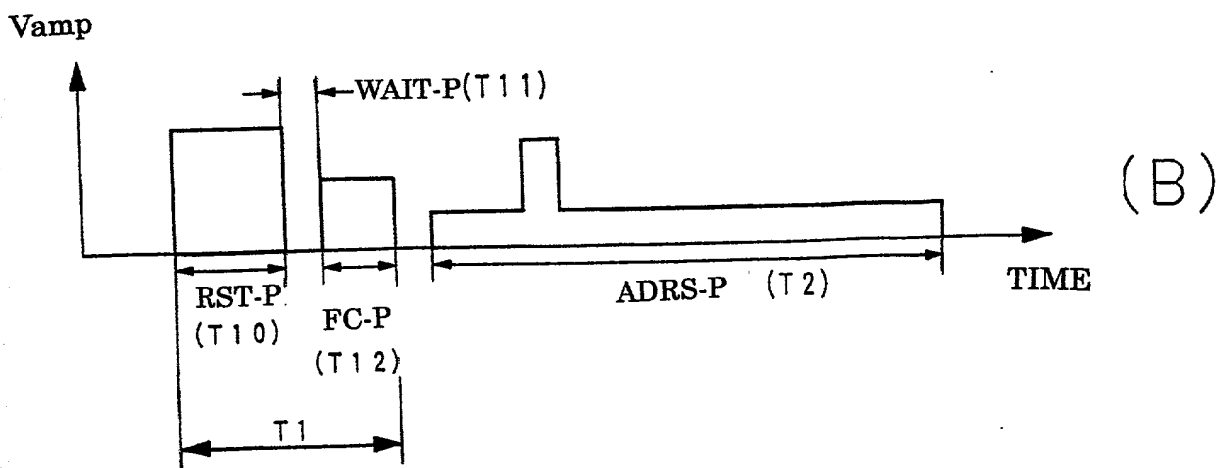
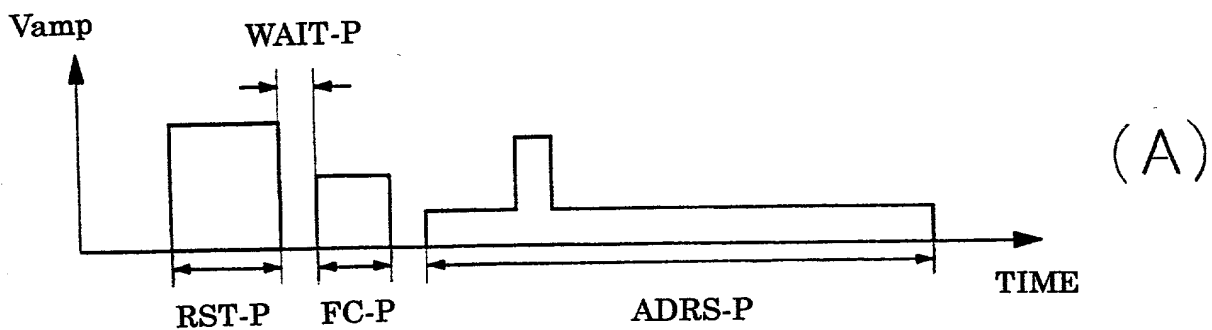


Fig. 10

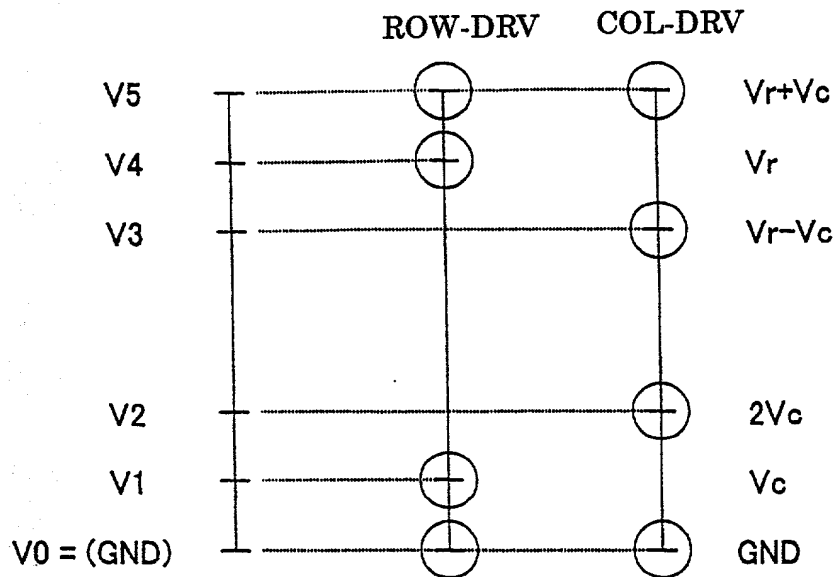


Fig. 11

ROW-DRV

/DOFF	M	SEL/NON-SEL	V-OUT
H	L	SEL	V5
H	H	SEL	V0
H	L	NON-SEL	V1
H	H	NON-SEL	V4
L	X	X	V0

COL-DRV

/DOFF	M	DATA	V-OUT
H	L	H	V0
H	H	H	V5
H	L	L	V2
H	H	L	V3
L	X	X	V0

Fig. 12

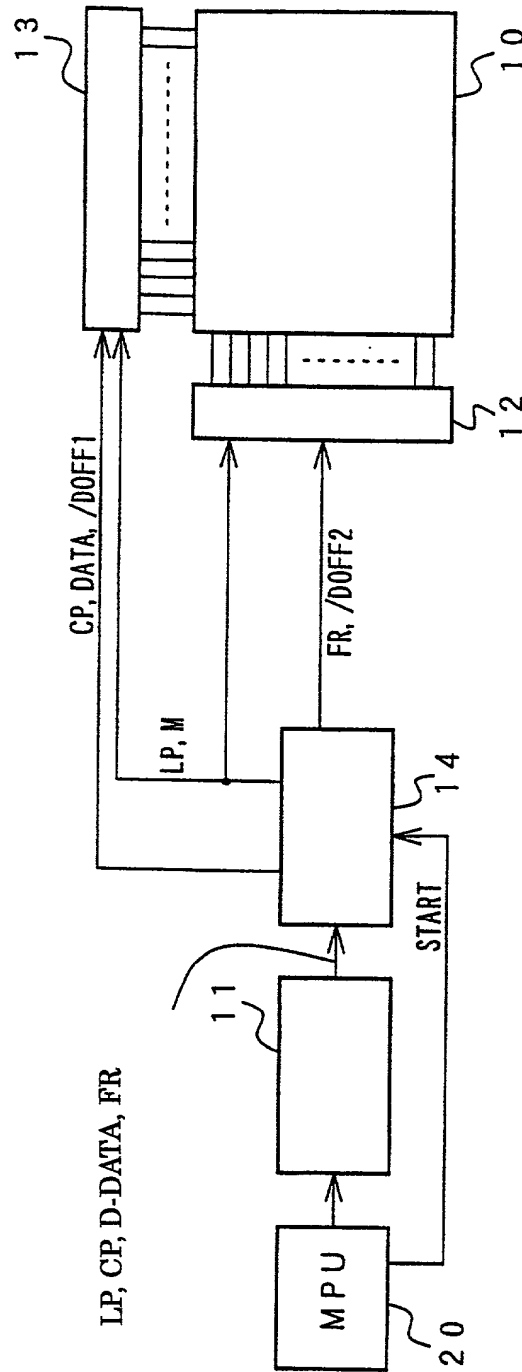
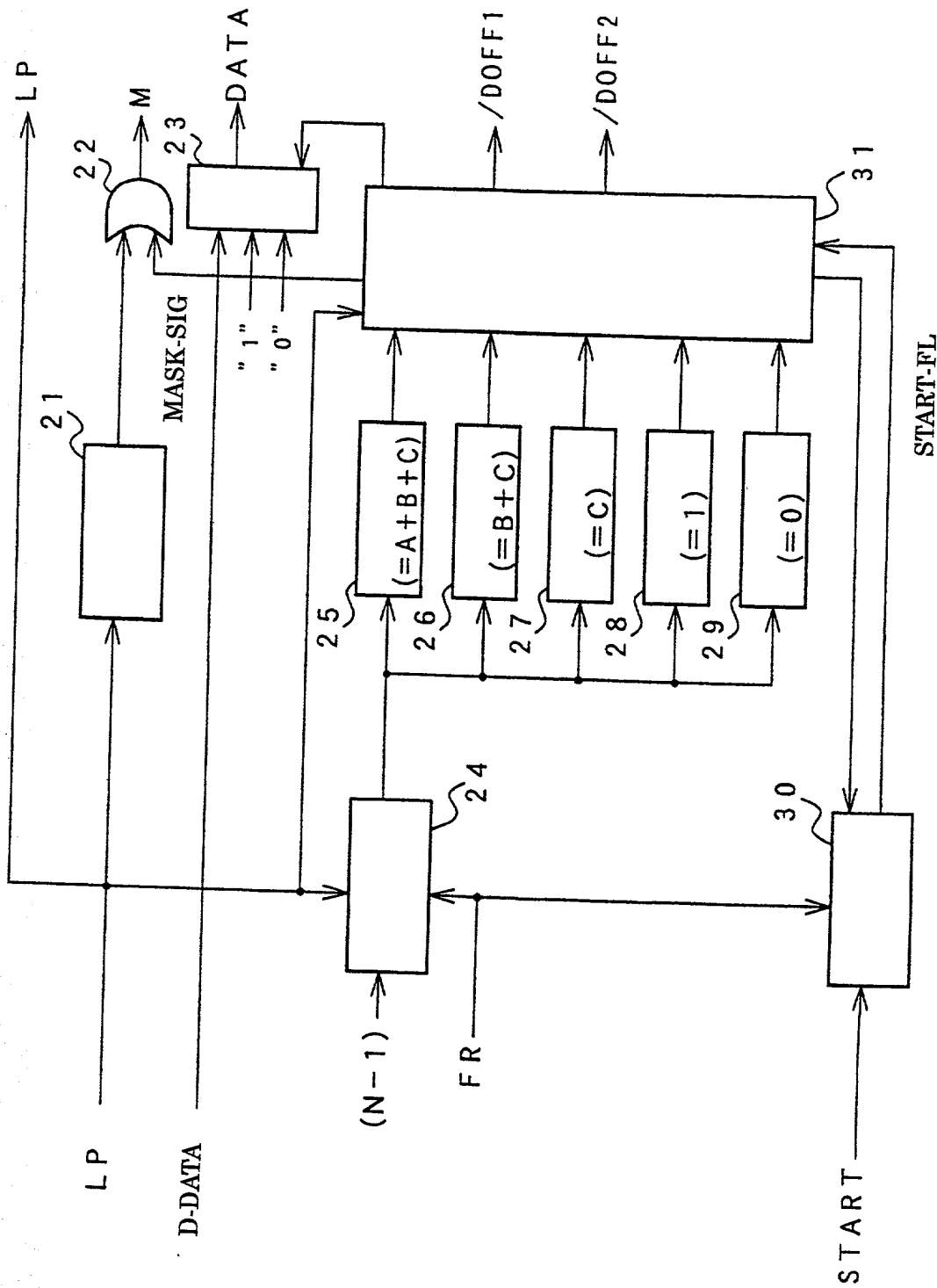


Fig. 13



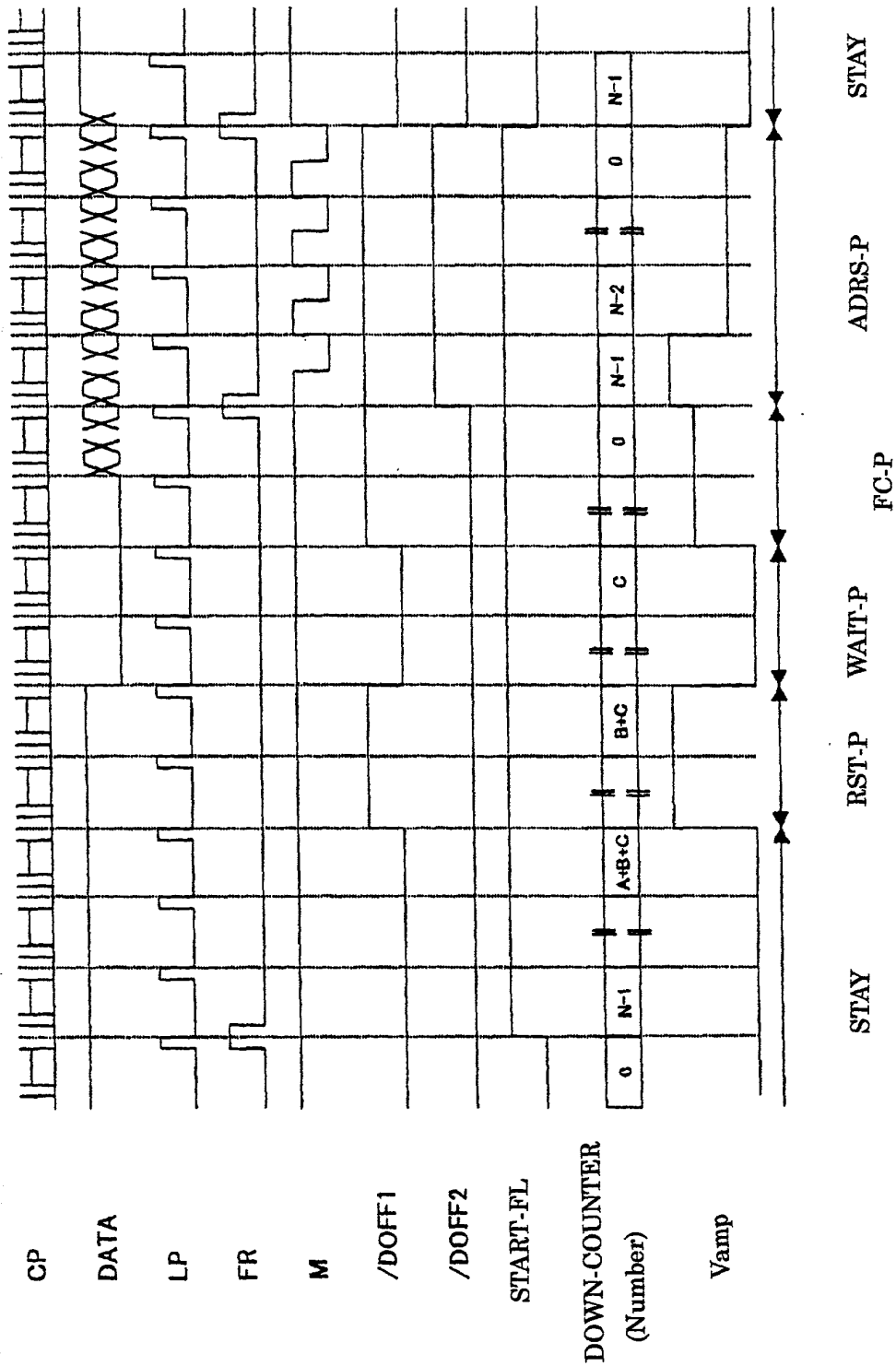


Fig. 15

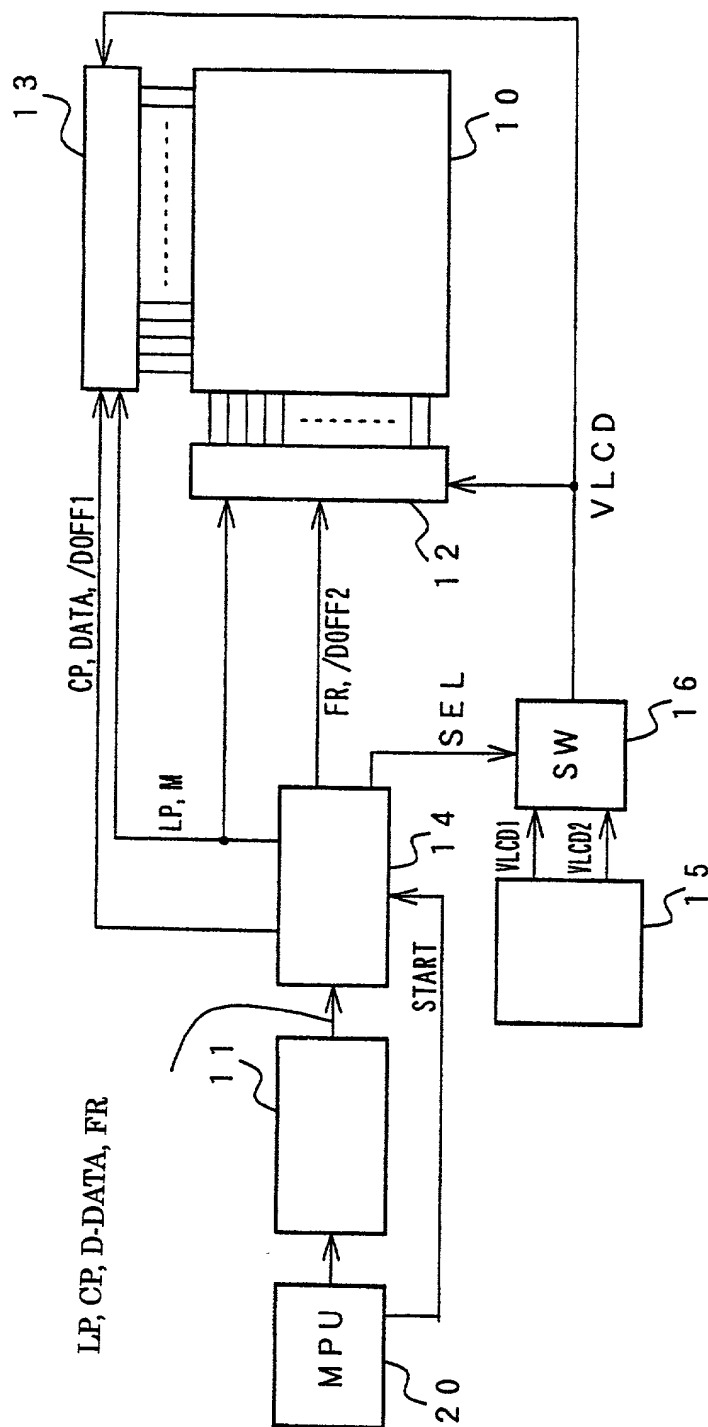


Fig. 16

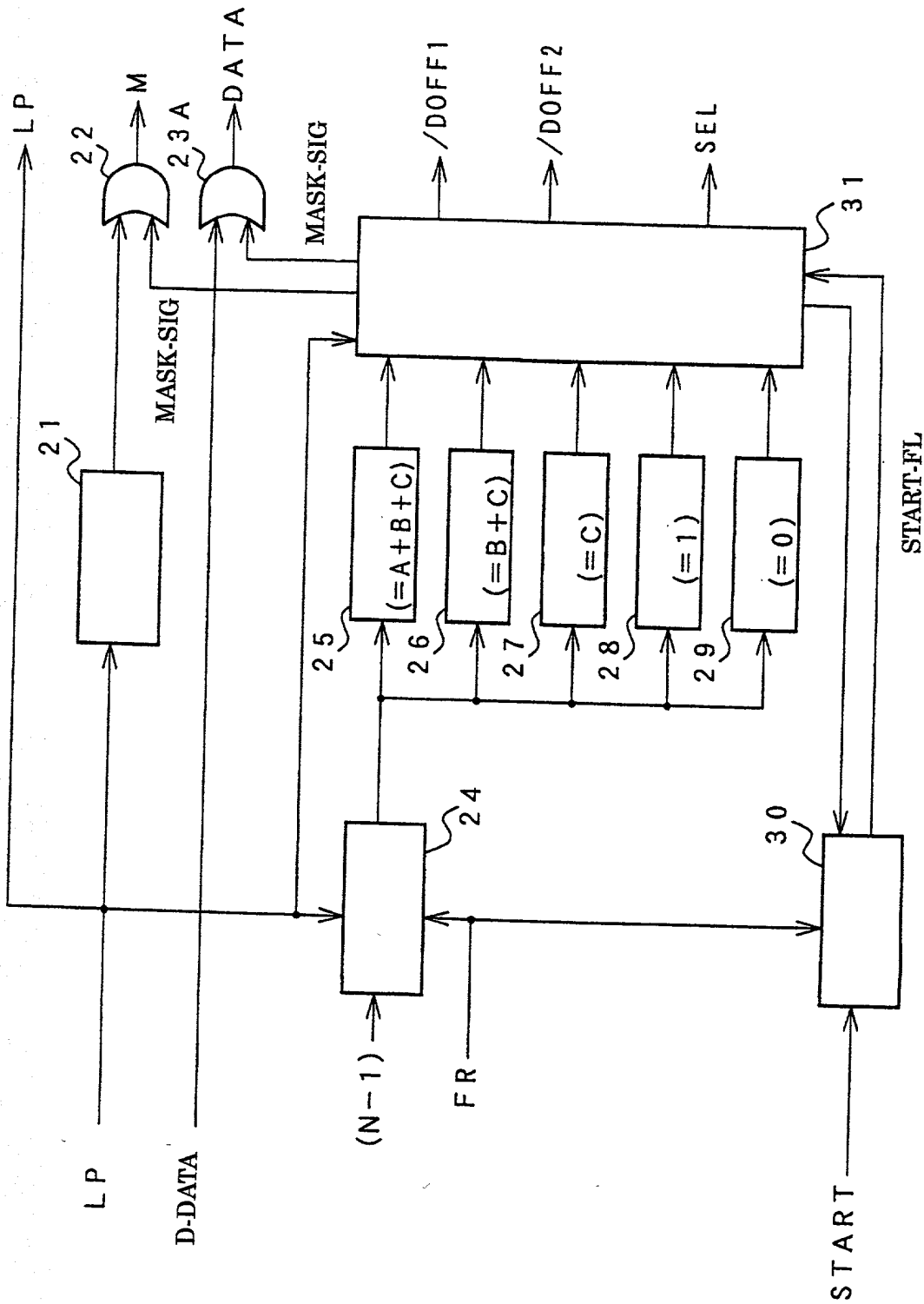


Fig. 17

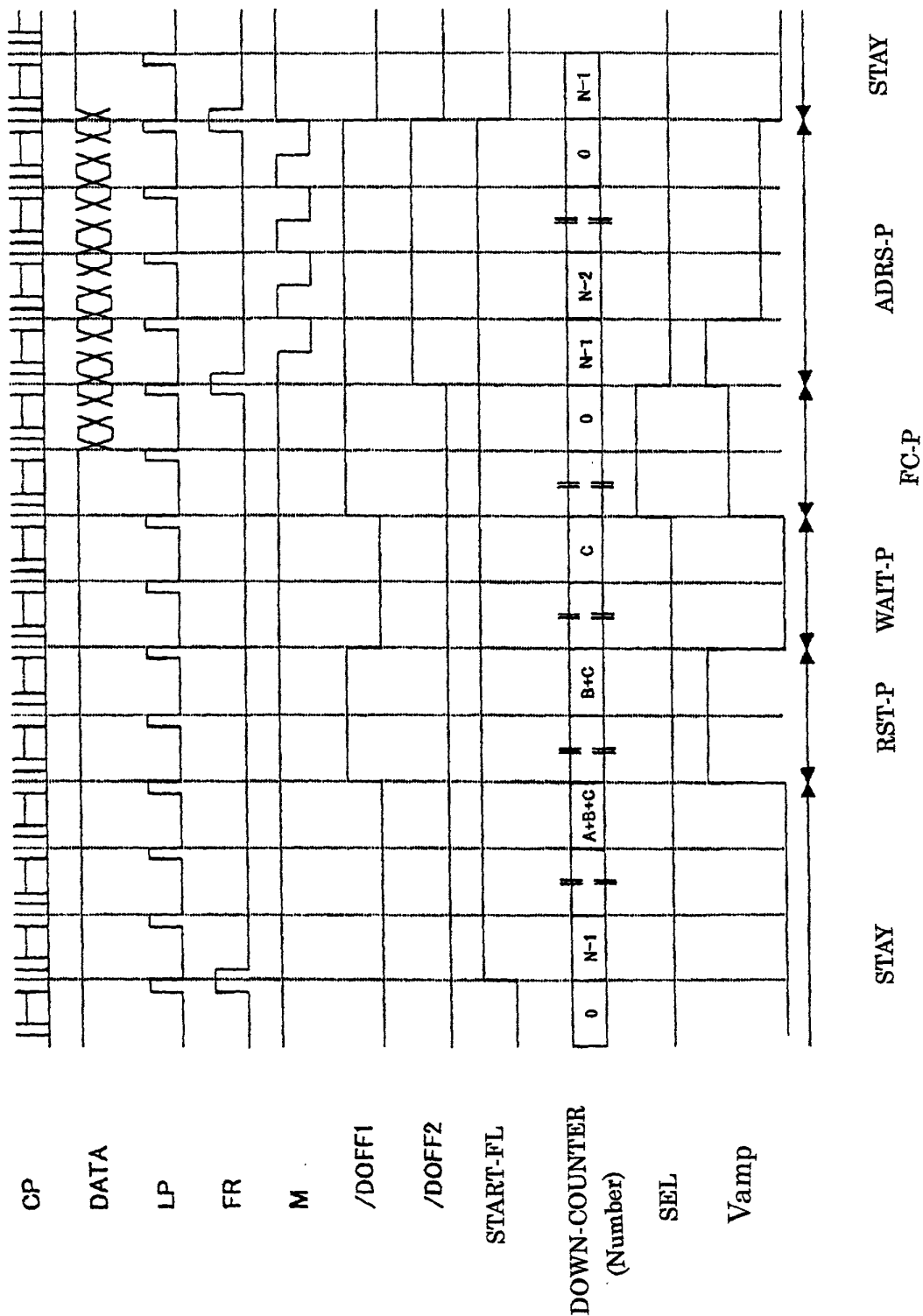
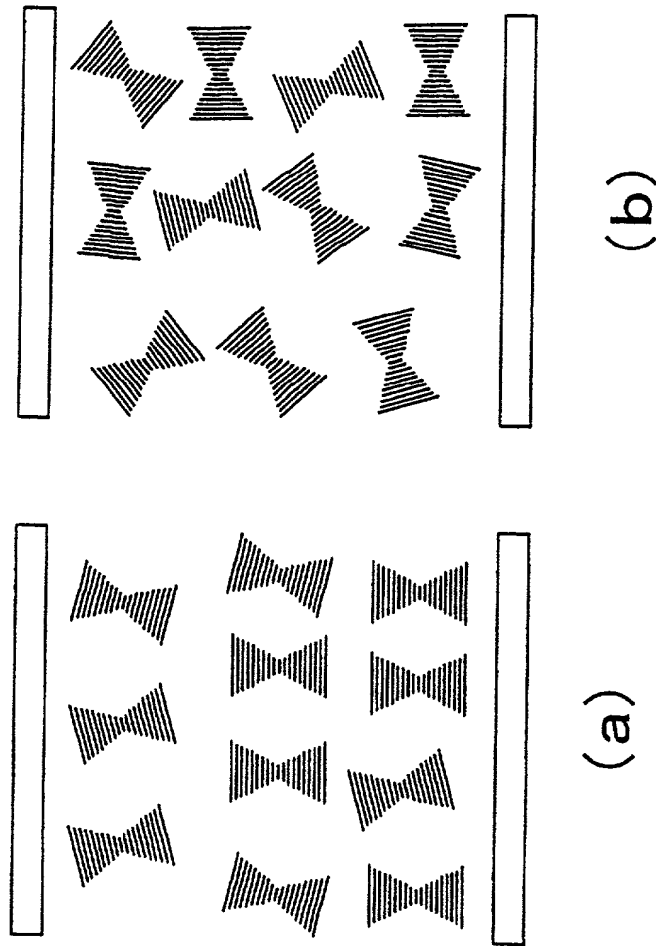


Fig. 18



Pulse width and times for establishing a FC state

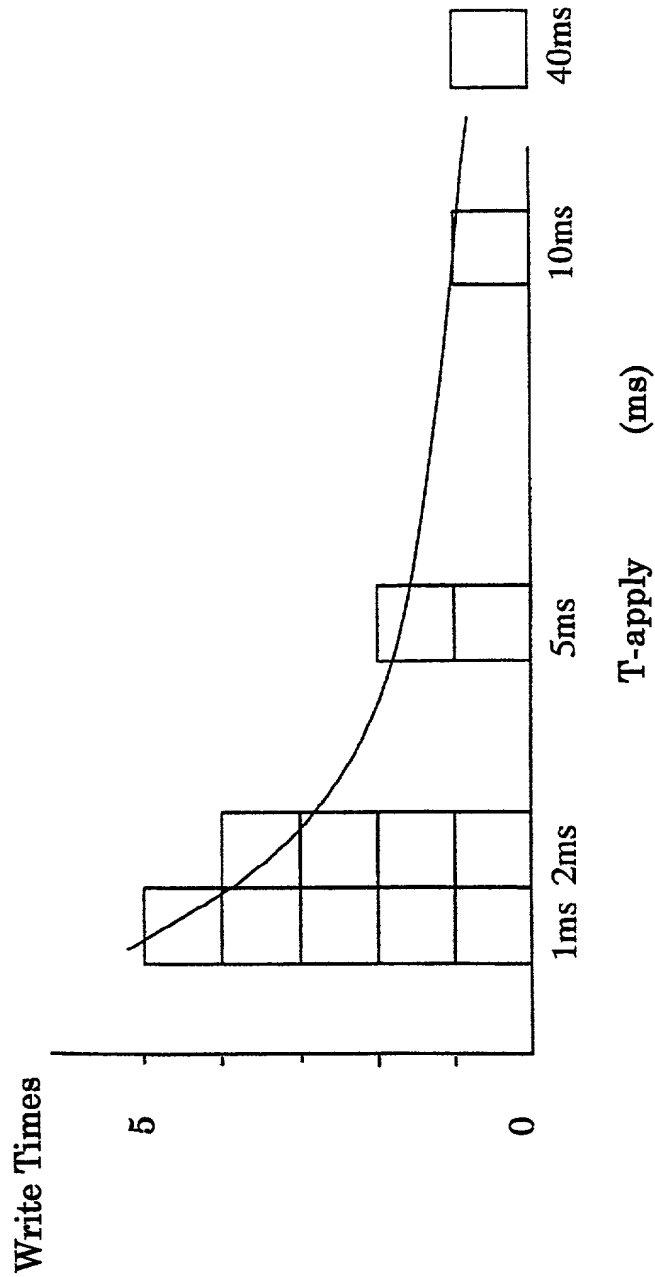


Fig. 20

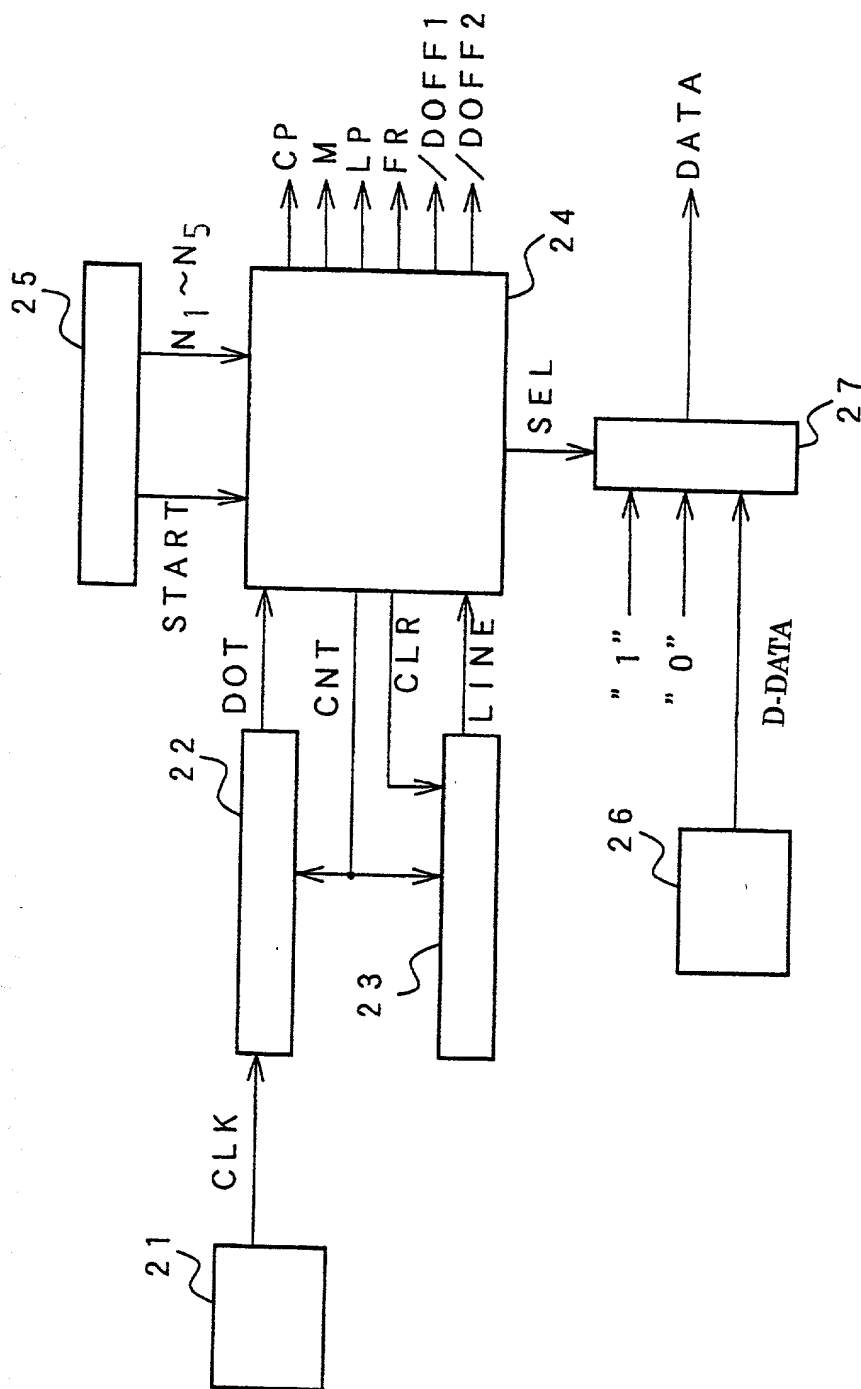
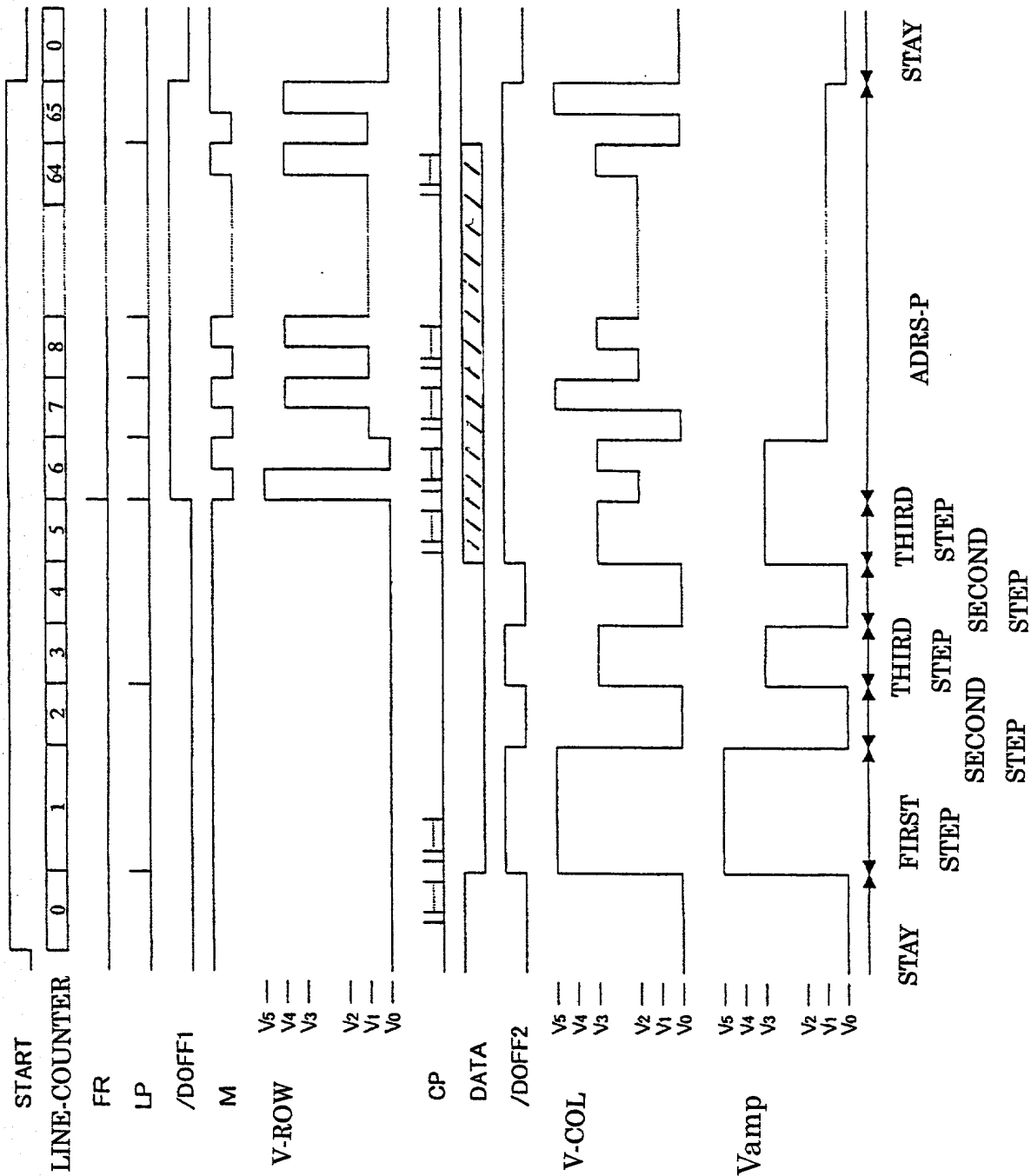
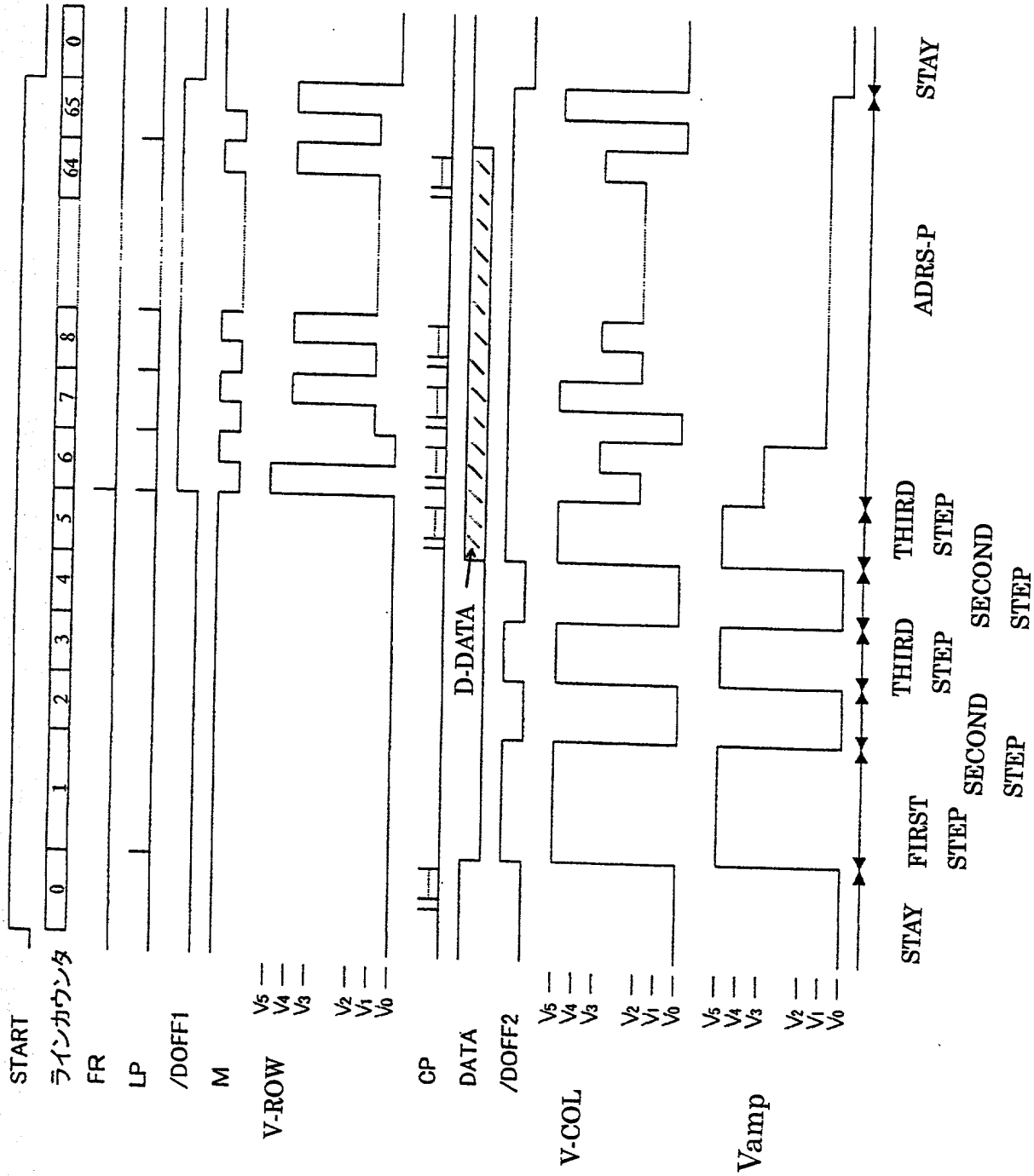


Fig. 21





F i g. 23

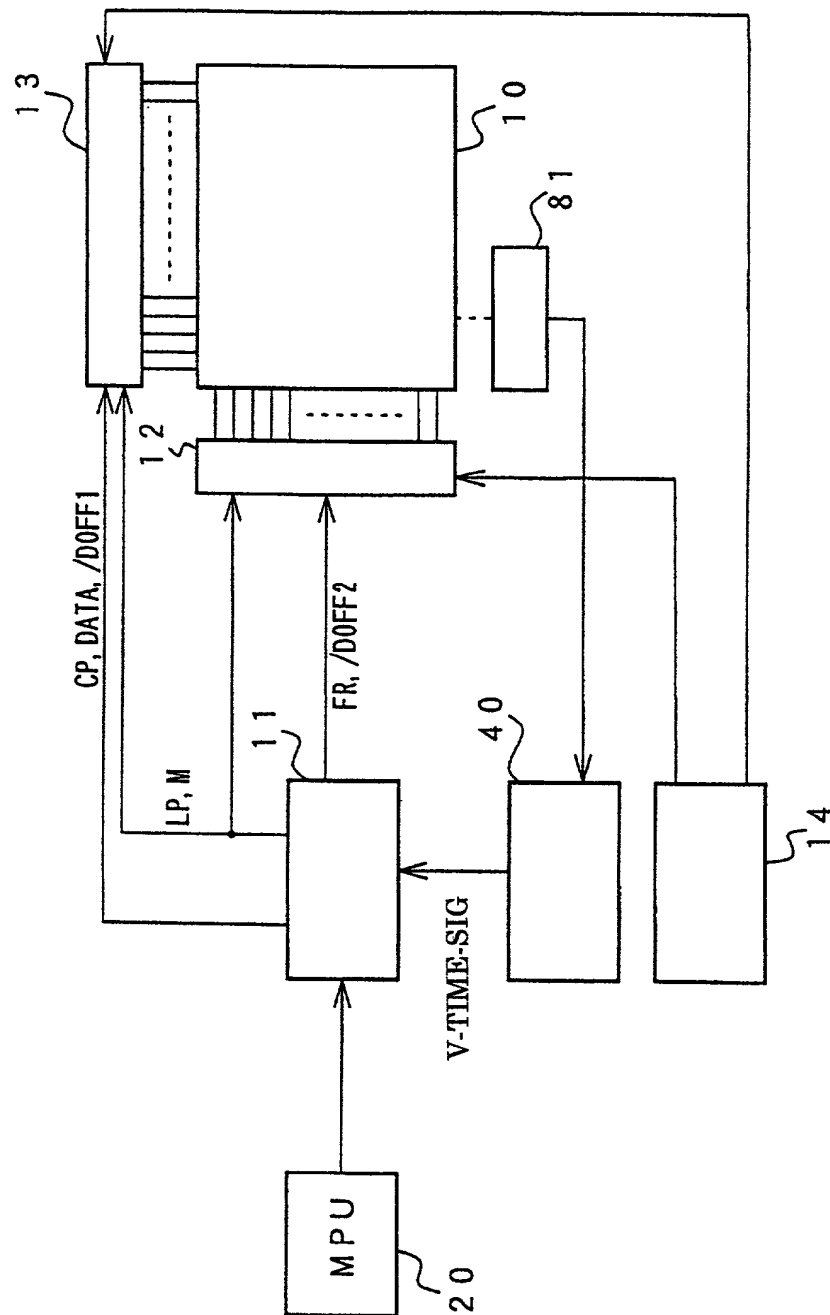


Fig. 24

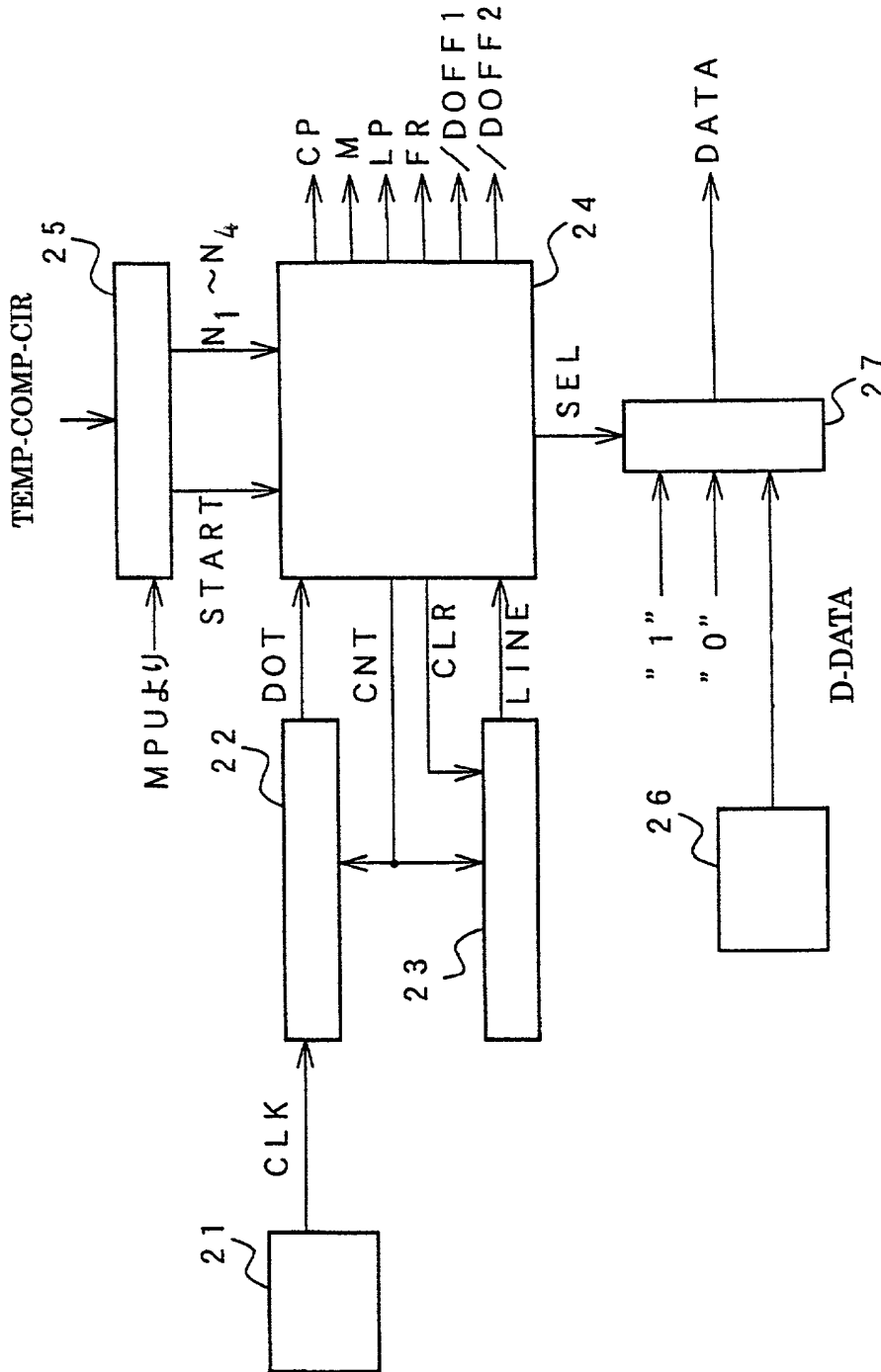
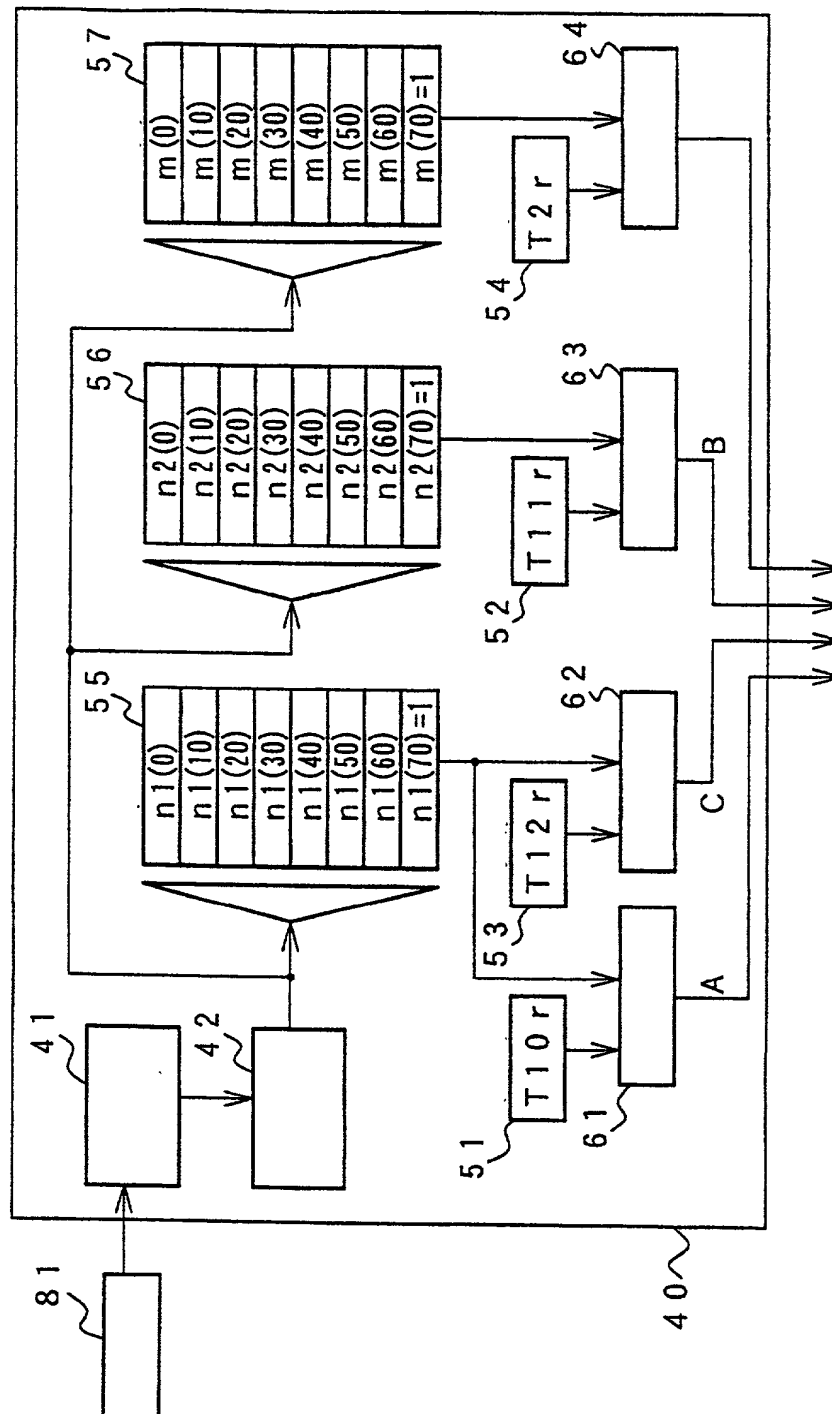


Fig. 25



V-TIME-SIG

Fig. 26

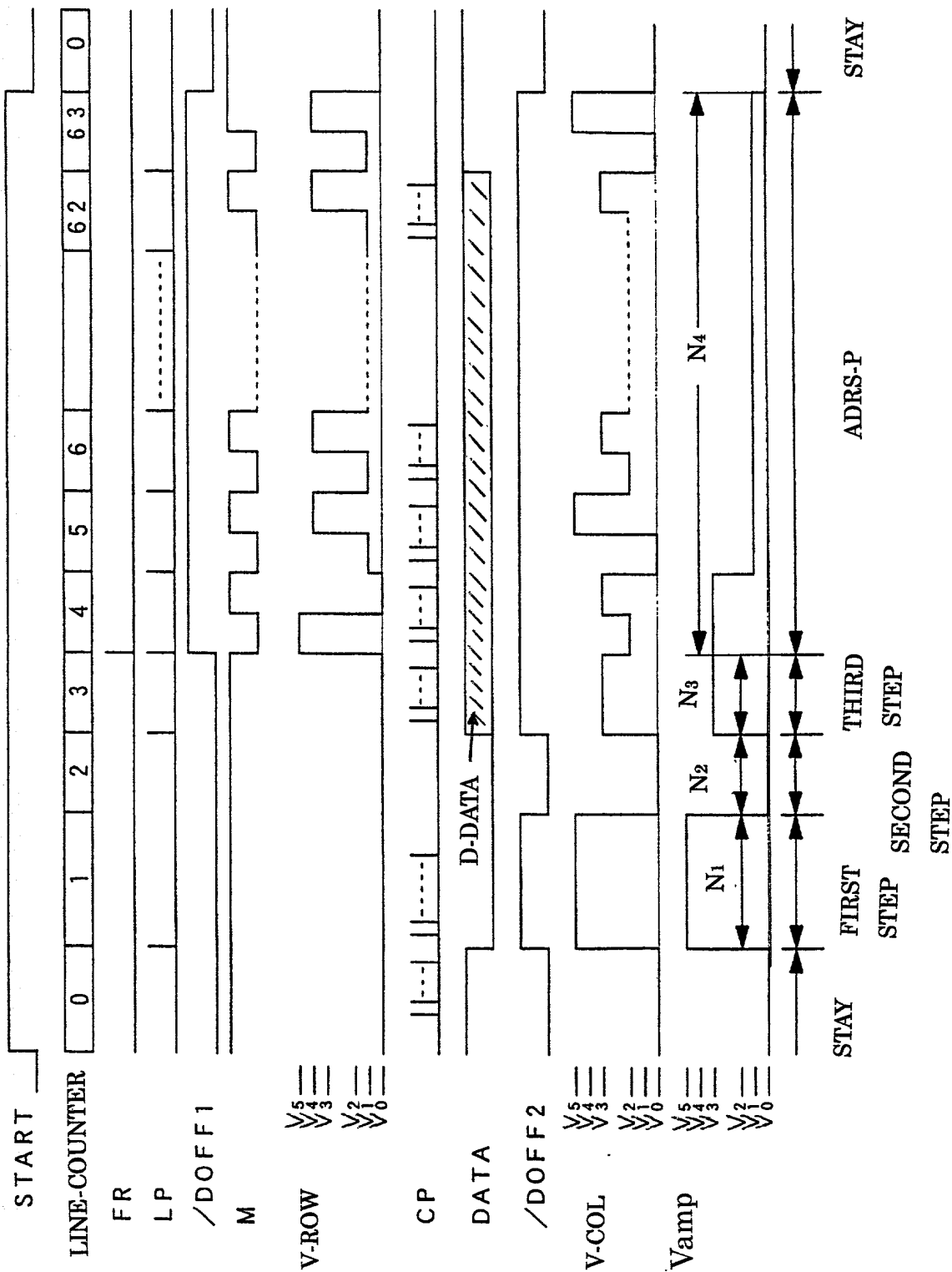


Fig. 27

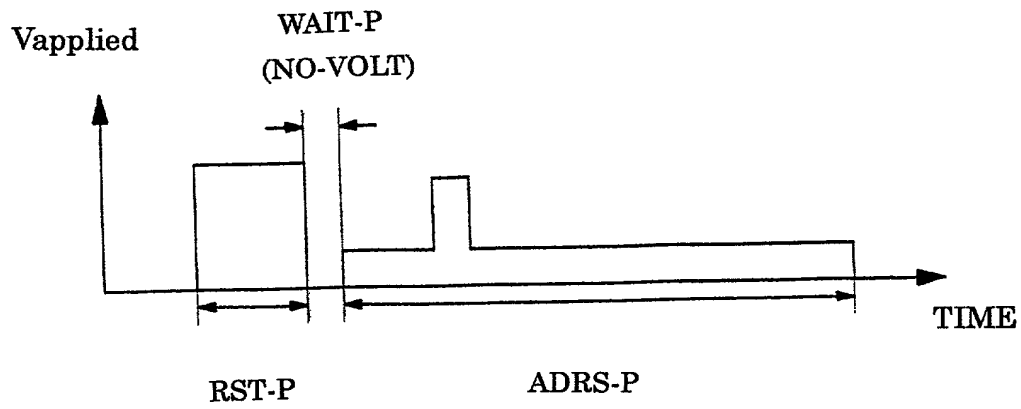


Fig. 28

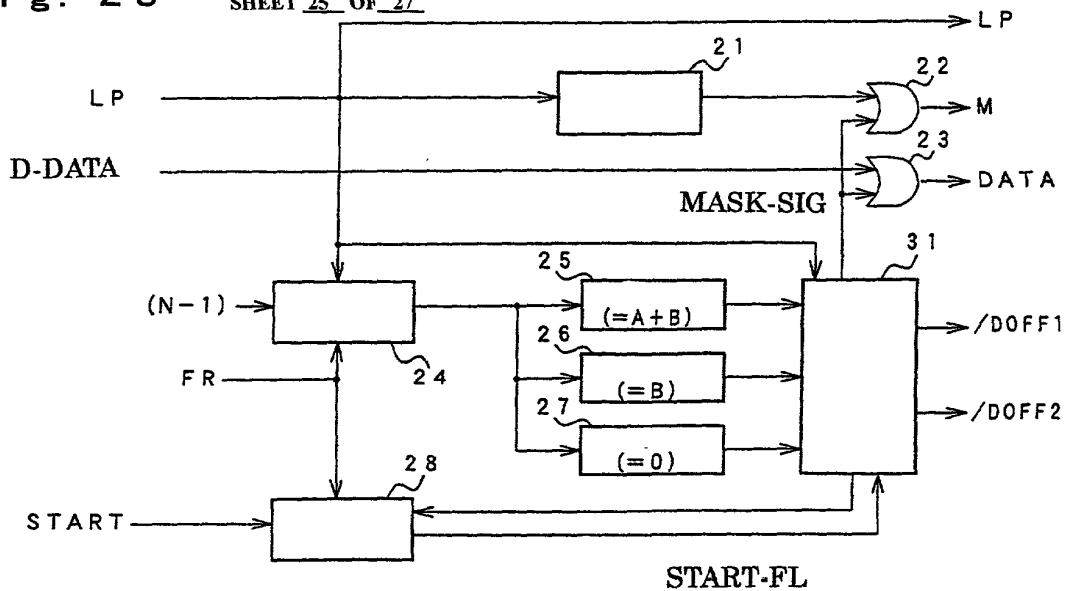


Fig. 29

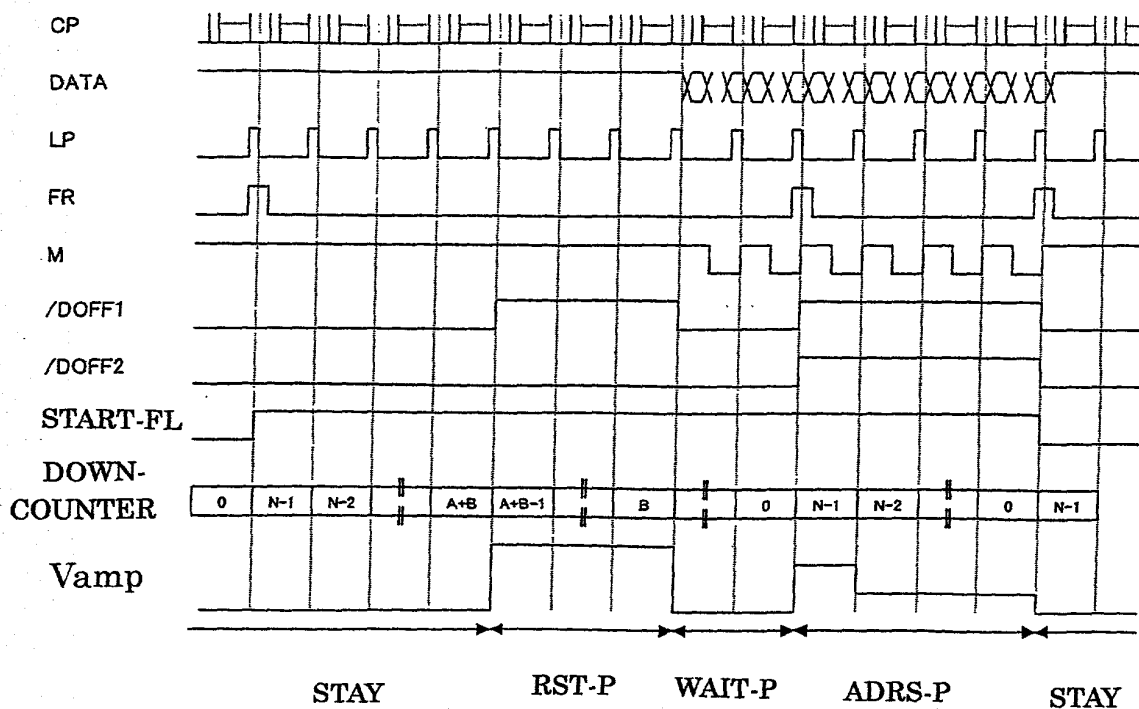


Fig. 30

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Fig. 31

